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STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
KNOXVILLE ENVIRONMENTAL FIELD OFFICE  
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**RECEIVED**

**DIV SOLID WASTE MGT**

AUG 02 2010

Group No. \_\_\_\_\_ File No. \_\_\_\_\_  
ID No. \_\_\_\_\_

July 28, 2010

Mr. Charles Alexander  
Enterprise Waste Oil Company, Inc.  
5201 Middlebrook Pike  
Knoxville, TN 37921

RE: Enterprise Waste Oil Company, Inc., EPA I.D. TND 98-778-0145, UOP 47-103-8001  
Knox County

July 21, 2010 inspection according to the applicable statutes and rules established by or contained in Tennessee Hazardous Waste Management Act, T.C.A. 68-212-101, et seq., and the Tennessee Hazardous Waste Management Regulations, Tennessee Rule Chapter 1200-1-11.

Dear Mr. Alexander:

A copy of the report on the referenced inspection is enclosed for your review and information.

No violations of the applicable statutes and rules governing hazardous waste management in Tennessee were cited as a result of this inspection.

If additional information is needed, please contact me at (865) 594-5468.

Sincerely,

R. Awasthi

Revendra Awasthi  
Environmental Protection Specialist  
Division of Solid Waste Management

cc: Dennis Woodson, DSWM, Nashville Central Office

## HAZARDOUS WASTE INSPECTION REPORT

### FACILITY/ PHYSICAL LOCATION

Name: Enterprise Waste Oil Company, Inc.  
5201 Middlebrook Pike  
Knoxville, TN 37921

EPA I.D. No.: TND 98-778-0145; UOP 47-103-8001  
County: Knox

### RESPONSIBLE OFFICIAL/TITLE

Charles Alexander, General Manager

### MAILING ADDRESS

5201 Middlebrook Pike  
Knoxville, TN 37921

### PRIMARY CONTACT

Charles Alexander, General Manager

### TELEPHONE NUMBER

(865) 558-0533  
Fax: (865) 588-1544

### DATE/TIME OF INSPECTION

July 21, 2010, at 1:30 p.m.

### INSPECTION PARTICIPANTS/TITLES/AFFILIATIONS

Charles Alexander, General Manager, Enterprise Waste Oil Company  
Revendra Awasthi, Division of Solid Waste Management, Knoxville Environmental Field Office

### REPORT PREPARED BY

Revendra Awasthi  
Division of Solid Waste Management  
3711 Middlebrook Pike  
Knoxville, Tennessee 37921

Phone: (865) 594-5468  
Fax: (865) 594-6105

## PURPOSE OF INSPECTION

To perform a comprehensive compliance evaluation with respect to the Tennessee Hazardous Waste Management Act, T.C.A. 68-212-101 et seq.; the Tennessee Hazardous Waste Reduction Act, T.C.A 68-212-301 et seq.; the Tennessee Hazardous Waste Management Regulations, Tennessee Rule Chapter 1200-1-11, and the conditions of any applicable permit(s).

## GENERATOR STATUS

Enterprise Waste Oil Company is registered with the State of Tennessee as a used oil transporter, marketer, processor, and used oil collection center. Enterprise Waste Oil Company is also a used oil and universal waste generator.

## FACILITY DESCRIPTION

Enterprise Waste Oil Company collects and transports used oil from customers, and after processing and cleaning the used oil markets used oil to customers such as asphalt plants and other industries as fuel.

Most of the oil collected by Enterprise Waste Oil comes from automotive oil-change businesses and car dealerships, and a smaller portion from industries, do-it-yourselfers, and other used oil companies. Used oil as well as anti-freeze from do-it-yourselfers is accepted free of cost.

The facility consists of a main office building, a tank farm, a boiler room next to the tank farm with a testing area, and a shop building where maintenance work on vehicles is performed. The Knoxville facility employs 45 people, who work full time on weekdays, and part-time on weekends.

Halogens are checked for each truckload and a composite sample is pulled from the storage tanks on weekly basis for full analytical on metals, etc. Enterprise Waste Oil also samples oil for new customers as a pre-qualification.

The oil arrives at the facility in tanker trucks and is delivered to a storage tank for processing by pumping through a filter into one of two insulated storage tanks for heat treatment. The used oil is heated to 180 °F and then a de-emulsifier is added to help remove water from the oil by separation and evaporation. The separated water is pumped off in to a separate storage tank located behind the used oil storage area and ultimately transported to United Wastewater, Ohio; or to Ecological Systems, Indiana for processing. The treated used oil is filtered again and placed in one of six new storage tanks located on site. Finally, the processed used oil is loaded on a tanker truck for delivery to customers.

## INSPECTION FINDINGS

The inspection started with a review of Year 2008 Annual Report, and the facility was determined to be conditionally exempt small quantity generator for hazardous waste. A facility walk through inspection started at the tank farm next to the boiler room, where the tanker trucks off load the used oil for processing. All the tanks and used oil containers were found to be properly labeled. The boiler room and the attached used oil testing room were inspected. Next, the new tank farm where six tanks of 25,000 gallon capacity have been installed to retain

processed used oil was inspected. These tanks are located in-side a spill catchment basin designed for the total capacity of the tanks. All the tanks and containers of used oil were labeled properly. After this, the maintenance shop, where vehicles are repaired, was inspected. The universal waste lamps are recycled by South East Recycling, and the used lead-acid batteries are sent back to manufacturer.

The certified driving licenses (CDL) for all the drivers along with the signed certification stating that he/she is familiar with the used oil regulations were inspected and found to be satisfactory. The annual inspection reports for each transport vehicle were reviewed next. The manifests for the incoming shipments of used oil as well as the outgoing shipments were in proper order. The analytical results to determine if processed used oil meets the on-spec fuel specification were also inspected. These tests are performed on weekly basis. The written analysis plan for rebuttal presumption was on file with the annual report for used oil activities.

Next, the contingency plan and the SPCC plan for the facility were reviewed. Charles Alexander and Wayman Pritchard are identified as facility emergency coordinator. The contingency plan includes a list of emergency equipment as well as an evacuation plan.

#### VIOLATIONS

Based on visual observations and other evidence gathered during the July 21, 2010, inspection no violations of Rules Governing Hazardous Waste Management in Tennessee were discovered.

Rules governing Hazardous Waste Management in Tennessee are available at the following web address:

<http://state.tn.us/sos/rules/1200/1200-01/1200-01-11/1200-01-11.htm>

R. Awasthi

7/28/2010

Revendra Awasthi  
Environmental Protection Specialist  
Division of Solid Waste Management

Date

#### CONCURRENCE

Larry Cook

7-28-10

Larry Cook  
Environmental Field Office Manager  
Division of Solid Waste Management

Date

cc: Dennis Woodson, DSWM, Nashville Central Office